Carbon Stars in the L-band

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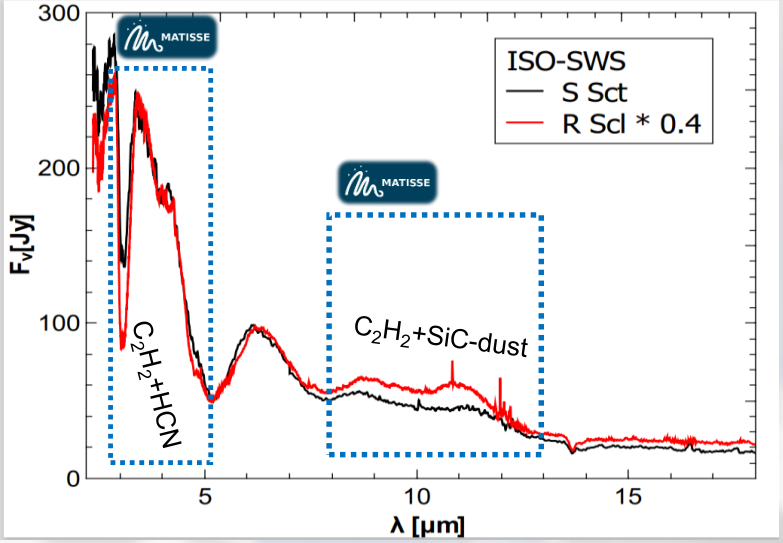
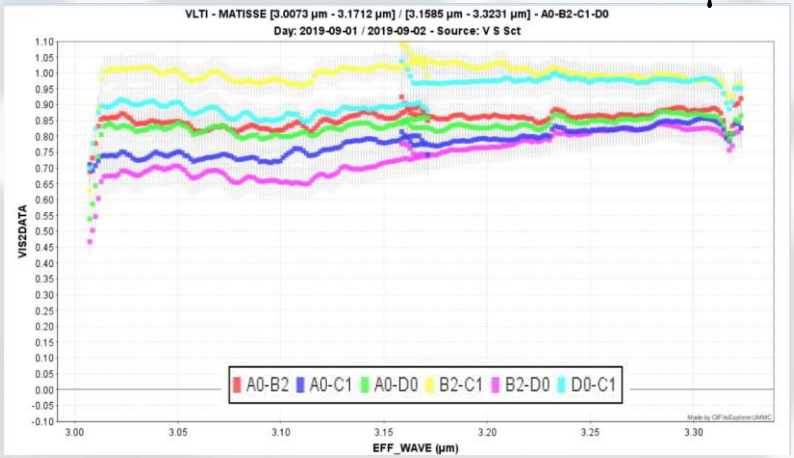
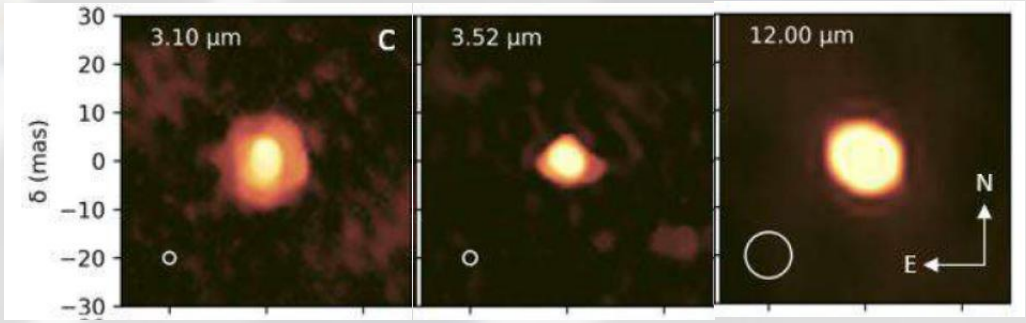


- L-band has prominent C_2H_2/HCN features
- C_2H_2 is building block of amC dust
- *MATISSE* allows *simultaneous* spectro-interferometry in L, M and N →
  - ➢ snapshots of S Sct (3.05 & 3.25μm, N)
  - ➢ imaging of R Scl (L, N)
  - ➢ Large Program to image 10 AGB stars
- direct imaging of TX Psc with L-IFU @ LBT

S Sct visibilities around 3.15 μm





Reconstructed images of **R Scl** in L&N